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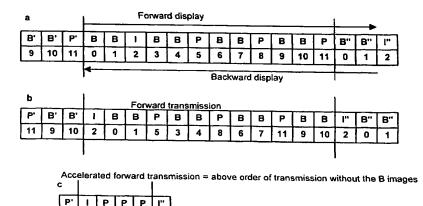
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(54) Title: TRICK PLAY METHOD



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(57) Abstract: The invention relates to a method of and a device for processing digital images. The device is such that, the images (M'i, M'i) being transmitted from a server (202) to a decoder (208, 206) using various modes of display, the images being coded in a dependent manner such that the coding of a first image is used to code a second image. The method is such that the order of transmission of the images from the server to the decoder is determined as a function of the dependence of these images and the mode of display requested by the decoder.

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04N5/00

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{1}{7}$ H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
X	LIN C-W ET AL: "MPEG VIDEO STREAMING WITH VCR FUNCTIONALITY" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, IEEE INC. NEW YORK, US, vol. 11, no. 3, March 2001 (2001-03), pages 415-425, XP001093487 ISSN: 1051-8215 page 418, column 2, last paragraph -page 420, paragraph 2 page 423, column 2, last paragraph -page 424; figure 9	1-11					
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Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the International filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means Decument published prior to the International filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the International search 24 May 2004	Date of mailing of the international search report . 04/06/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Raeymaekers, P



		PCT/EP 03/07476
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	REDFORD J E ET AL: "Video over ATM: experience from the Cambridge Interactive TV Trial" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. (ICIP). WASHINGTON, OCT. 23 - 26, 1995, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. 3, 23 October 1995 (1995-10-23), pages 1-4, XPO10196909 ISBN: 0-7803-3122-2 page 4, column 1, paragraph 3 - last paragraph	1-11
A	WO 00/22820 A (SARNOFF CORP) 20 April 2000 (2000-04-20) page 9, line 13 -page 10	1-11
A	VERNICK M ET AL: "ADVENTURES IN BUILDING THE STONY BROOK VIDEO SERVER" PROCEEDINGS OF ACM MULTIMEDIA 96. BOSTON, NOV. 18 - 22, 1996, NEW YORK, ACM, US, 18 November 1996 (1996-11-18), pages 287-295, XP000734727 ISBN: 0-89791-871-1 page 293 -page 294, column 1, paragraph 2	1-11

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ional Application No PCT/EP 03/07476

	101/21	101/21 00/0/1/0					
Patent document cited in search report				Patent family member(s)	Publication date		
WO 0022820	Α	20-04-2000	WO	0022820 A1	20-04-2000		